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## SPECIALISTS IN INTELLECTUAL PROPERTY LAW

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**Date:**      October 5, 2006      **Number of pages** (Including cover): 2

**To:**      US Patent and Trademark Office

**Fax No.:**      (571) 273-8300

**Serial No.:**      10/735,498-Conf. #1871

**Title:**      LIGHT EMITTING SYSTEMS

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       **Our File #:** L0655.70013US00

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**MESSAGE:**
Examiner Louie:
Attached is the information that you requested. Please contact me if you have any questions.

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# LIGHT EMITTING SYSTEMS

## CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority under 35 U.S.C. §119 to the following U.S.
Provisional Patent Applications: 60/462,889, filed April 15, 2003; 60/474,199, filed May 29,
2003; 60/475,682, filed June 4, 2003; 60/503,653, filed September 17, 2003; 60/503,654

5   filed September 17, 2003; 60/503,661, filed September 17, 2003; 60/503,671, filed
September 17, 2003; 60/503,672, filed September 17, 2003; 60/513,807, filed October 23,
2003; and 60/514,764, filed October 27, 2003. This application also claims priority under 35
U.S.C. §120 to, and is a continuation-in-part of, the following U.S. Patent Applications:
10/723,987
[Attorney Docket 16459-006001], entitled "Light Emitting Devices," and filed November 26,
10/724,004 (now U.S. Patent No. 6,831,302)

10  2003; [Attorney Docket 16459-007001], entitled "Light Emitting Devices," and filed
10/724,033
November 26, 2003; [Attorney Docket 16459-008001], entitled "Light Emitting Devices," and
10/724,006 (now U.S. Patent No.7,084,434)
filed November 26, 2003; [Attorney Docket 16459-009001], entitled "Light Emitting
10/724,029 (now U.S. Patent No. 7,098,589)
Devices," and filed November 26, 2003; [Attorney Docket 16459-010001], entitled "Light
10/724,015
Emitting Devices," and filed November 26, 2003; [Attorney Docket 16459-011001], entitled
10/724,005 (now U.S. Patent No.7,083,99.

15  "Light Emitting Devices," and filed November 26, 2003; [Attorney Docket 16459-012001],
entitled "Light Emitting Devices," and filed November 26, 2003.. Each of these patent
applications is incorporated herein by reference.

## TECHNICAL FIELD

The invention relates to systems, and related components, systems and methods.

## BACKGROUND

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A light emitting diode (LED) often can provide light in a more efficient manner than
an incandescent light source and/or a fluorescent light source. The relatively high power
efficiency associated with LEDs has created an interest in using LEDs to displace
conventional light sources in a variety of lighting applications. For example, in some

25  instances LEDs are being used as traffic lights and to illuminate cell phone keypads and
displays.

Typically, an LED is formed of multiple layers, with at least some of the layers being
formed of different materials. In general, the materials and thicknesses selected for the layers

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